(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 3 February 2005 (03.02.2005)

PCT

(10) International Publication Number WO 2005/010923 A3

- (51) International Patent Classification7: H01K 7/02, 1/32
- (21) International Application Number:

PCT/IB2004/051288

- (22) International Filing Date: 26 July 2004 (26.07.2004)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: PCT/IB03/03335

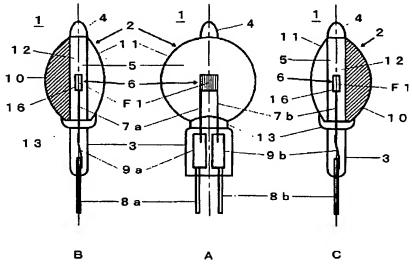
28 July 2003 (28.07.2003) IE

- (71) Applicant (for all designated States except US): KONIN-KLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): KUROSAWA, Akira [JP/JP]; c/o Philips Japan, Ltd., Philips Bldg., 2-13-37, Kohnan, Minato-ku, Tokyo 108-8507 (JP).

- (74) Agents: TSUGARU, Susumu et al.; c/o Philips Japan, Ltd., Philips Bldg., 2-13-37, Kohnan, Minato-ku, Tokyo 108-8507 (JP).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: ELECTRIC LAMP



(57) Abstract: An electric lamp (1) according to the present invention is so constructed that it comprises a bulb (2) comprising a first curved face (10), the first curved face having a substantially ellipsoidal shape in cross section with a first focal point (F1) and a second focal point (F2), and being convex outwardly, and a filament (6) comprising a coil part (16) formed by winding a wire and generating a light by being energized, the filament being so arranged that the coil part (16) is positioned in an inner space (5) of the bulb (2), wherein a reflective coating is formed on the whole of outer surface or the whole of inner surface of the first curved face (10), and wherein the first curved face (10) is so adapted that the first focal point (F1) is positioned at the coil part (16), and the second focal point (F2) is positioned at a light transmission medium (20) to which an emerged light generated at the coil part (16) and reflected on the first curved face (10) is provided.



WO 2005/010923 A3



Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report: 28 July 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.